

MONOGRAM

The MONOGRAM 3100 and 3200 represent a three year intensive design effort to produce solid state power amplifiers producing a smooth VALVE SOUND without the tiring clinical sound associated with current transistor designs. The major breakthrough is achieved using a revolutionary enriched Class A design incorporating a new dual heat sink design.

THERMAL TRACKING a major new development allows the amplifier to operate in pure CLASS A for 90% of all normal operating conditions producing a superb smooth COHERENT SOUND but in addition allows precise tracking of all thermal conditions of the main output driving transistors. Using this totally new design MONOGRAM amplifiers exhibit inherently smooth transition into the main output drive circuitry which accounts for the valve sound now associated with all our amplifiers.

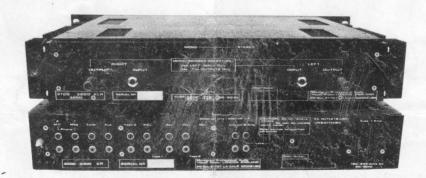
POWER SUPPLIES now incorporated into all MONOGRAM amplifiers are now rated at 450 & 650VA which is more than twice the normal rated requirement for each of the amplifiers. Using such massive power supplies produces staggeringly realisite BASS TRANSIENTS never before achieved on a power amplifier at these ratings. TORROID TRANSFORMERS ARE USED EXCLUSIVELY.

QUALITY & FINISH on all MONOGRAM amplifiers were recently described by independent revue as the finest quality and finish ever achieved by a BRITISH company and congratulates the Company on their attention to detail both in producing a superb new and exciting product and one which produces excellent sound characteristics.

TECHNICAL SPECIFICATIONS

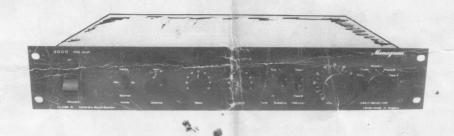
Power Output	3100	105 Watts R. M. S. continous per chanel	
		20Hz - 20kHz both channels driven 8 ohms.	
	3200	155 Watt R. M. S. continuous per channel	
		20Hz - 20kHz both channels driven 8 ohms.	
Frequency Response		10Hz - 22kHz - 0,2dB,	
Power Bandwidth		10Hz - 3UKHZ — 2dB,	
Harmonic Distortion		Less than 0,06% from 0,1 Watt to 200 Watts	
		R. M. S. 20Hz - 20kHz - 8 ohms.	
Intermodulation Distortion		Less than 0.04% from 0.1 Watt to 200 Watts	
		R, M, S, 20Hz - 20kHz - 8 ohms,	
Damping factor		>400 to 1kHz - 8 ohms,	
Hum and Noise		115dB below rated output.	
Power Supply	3100	Torroid, Rating Transients 450VA,	
	3200	Torroid, Rating Transients 650VA,	
Input Impedance		22K at min, level, 15K at max, level.	

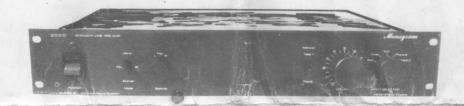
Sensitivity		0,775 R,M,S, 0dB/1,5 volt max,		
		Internally Adjustable		
Stability		Unconditionally stable with any load o		
		source impedance,		
Protection		VI Limiters, D. C. Supply fuses,		
		Ar line fuees		
Power Requirement		120V/240V 50/60Hz A.C. only		
Connectors		Std. 6,35 mm (¼") Jacks.		
Controls		Level (each channel).		
Electronic Design		Pure Class A at 1 amp class		
		AB at 1 amp - 5 amps,		
Dimensions (overall)		3½" high x 19" wide x 13" deep (std).		
		19" (rack mounting).		
Weight	3100	30lbs		
	3200	35/bs		

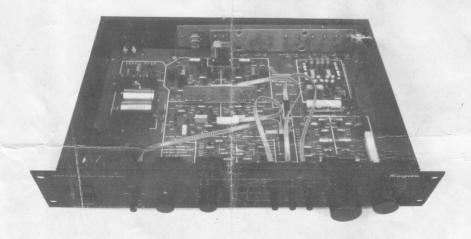


As part of our committment to product excellence, Monogram Professional Audio routinely introduces design refinements or improved materials or production methods into existing products Monogram Professional Audio reserve the right to alter specifications without notice.

PRECISION AUDIO COMPONENTS







MONOGRAM

PRE AMPLIFIERS

The heart of any high quality sound system is the Pre-Amplifier or control system console. The new MONOGRAM Pre-amps represent three years of dedicated research and development into producing a "COHERENT SOUND" with the inherent smoothness of a valve amplifier. This objective was achieved using some startlingly new design techniques never before achieved in a transistor designed Pre-amp. The principle design features of MONOGRAM Pre-amps have always been developed using real people with ears rather than Real Time Computers which cannot distinguish between a good sound and a bad sound,

The MONOGRAM 2000 - 2000XR and 3000 Pre-amps cater to the PURIST the ESOTERIC PURIST and the PERFECTIONIST. All 3 Pre-amps are electronically similar but offer those facilities most requested by our listeners, each of whom have slightly differing design ideas. We are confident that following a listening test you will readily appreciate some of the marvellous new ideas and innovations now available in all the new MONOGRAM Pre-amps.

MOVING COIL PRE-AMP (HEAD AMP) 2000 Series, Great care is necessary in the design of Moving Coil Head Amps to ensure ultra low noise levels to cater for the tiny voltages generated by the moving coil cartridge. In order to achieve this objective a total of 16 specially selected and matched low noise transistors, 16 Electrolytic capacitors for decoupling and 32 Precision THICK FILM resistor networks were required together with a totally independent power supply system from the pre-amp to accomplish this task and to ensure the beauty and delicate musical information is not lost through noise. Detailed listening tests with many different cartridges showed the design to be able to match all those tested. The inbuilt mini loading modules also allow custom tailoring to suit the listener's individual taste.

SUBSONIC FILTER 3000 only. A 3rd order BUTTERWORTH active filter network is employed to eliminate virtually all subsonic noise without interfering with the BASS response so often destroyed by using a passive filter employed in 90% of all other pre-amps.

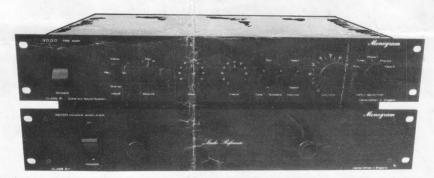
TONE CONTROLS. 3000 only. Most audiophiles do not use tone controls since they can seriously mar the original musical information. The MONOGRAM 3000 incorporates a superb new design employing techniques by BAXENDALL but employ frequencies outside the mid-range at 80Hz and 10 KHz which we are confident will balance the sound only related to room acoustics, and decor where the system is located preserving all the original musical information,

LINE AMPLIFIER CLASS "A" 600 Ohms. (Optional) Most pre-amp designs have very weak power supplies and cannot extract all the subtle Bass information at low frequencies, due to low current capability. MONOGRAM employes a high power CLASS A design capable of 2 Amp transient levels at 600 Ohms, this enables the system to drive long cables without loss of HF information.

POWER SUPPLY. The most important part of the Pre-amp design is its power supply. Many excellent designs are seriously affected by poor current capability especially at bass frequencies where much of the delicacy and warmth is contained, MONOGRAM employ a regulated control system that is capable of 2 AMPS which is more than 20 times its normal operating condition. The moving coil amplifier has its own independant regulated power supply.

SPECIFICATIONS

Phono, 3mV & 1 kHz, RIAA +/- 0.25%, Gain 39dB, Noise -87dB/10mV, THD 0.006%, Tone Controls. Bass +/- 18dB/80Hz. Treble +/- 15dB/10kHz. THD 0,004%. Noise -105dB. Tuner/Aux/Tape. 250 mV & 15k imp. Tape 250mV & 5,6k imp. Noise -105dB, THD 0.008% Power Regd. 120/240v AC 50/60Hz. Size 19" x 12 " x 3\%". Weight 12 lbs.



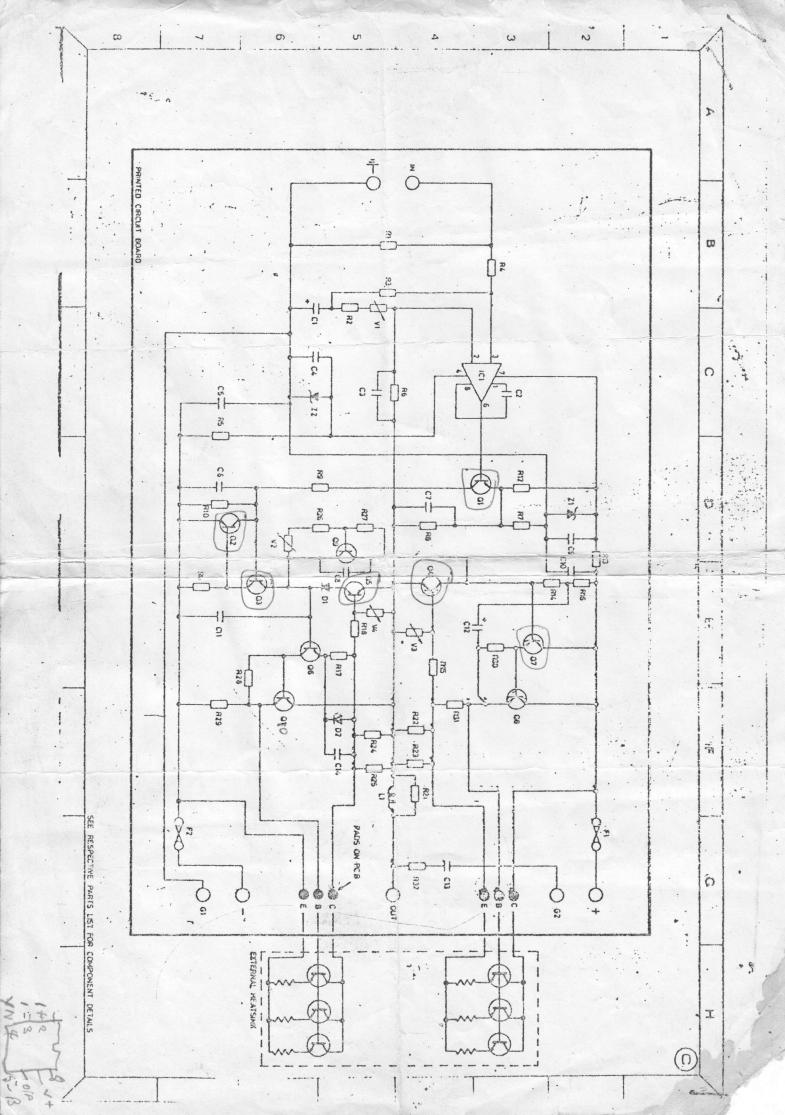
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